

ABSTRACT OF THE DISCLOSURE

[0039] An redundant array of independent disks (RAID) is provided. The RAID comprises a plurality of storage devices. Each storage device has a plurality of storage blocks in stripes, which comprises stripes of data blocks and continuous stripes of blank blocks. The data blocks are suitable for storing data, and the blank blocks are reserved. The blank blocks of each storage device are disposed at the same location for providing a continuous buffer space. The RAID can prevent the original data loss in conversion and assure of the completeness of the data.